



CENTRAL VALLEY FLOOD PROTECTION BOARD EXECUTIVE OFFICER'S REPORT

October 25, 2019

PLAN IMPLEMENTATION AND COMPLIANCE BRANCH

Status Report and Work Activities

Operational Programs

The work of the Plan Implementation and Compliance Branch (Branch) is organized into six Operational Programs (OP) that define the type of work being completed. The Branch will use this Executive Officer's Report to provide updates to the CVFPB on work being accomplished within each OP.

Ongoing Efforts of Each Operational Program:

Operational Program: Central Valley Flood Protection Plan

- **Sacramento-San Joaquin Drainage District (SSJDD) Feasibility Study**
 - The CVFPB has sent an Intent to Award letter to Larsen Wurzel and Associates, Inc. to conduct the Feasibility Study. The contract approval process should be complete within the next couple weeks. The goal of the study is to determine the feasibility of an SSJDD assessment to provide funding for system-wide improvements and the operation and maintenance of levees and associated flood control structures within the State Plan of Flood Control. Staff will provide consistent updates on the progress of contract approval and commencing the study.

Operational Program: Section 408 System Alteration Permitting

- **West Sacramento Area Flood Control Agency – Southport Levee Improvement Project**
 - Restoration planting and irrigation staking for the newly created flood offset areas between the remnant levee and the new setback levee started in September. The temporary earthen berms were removed in the south offset area, which is allowing water to recede through the levee breach openings. The CVFPB permit for the restoration planting was approved at the July CVFPB meeting. Weekly project meetings started in April 2019 and are anticipated to continue through the end of the year. Contactor and construction management team continue to work on development and review of the completion report for the levee portion of the project and restoration of the remaining borrow site restoration.

- **Yolo Bypass/Cache Slough Master Plan and USACE 408 Letter of Intent**
 - Staff continues to coordinate with DWR and USACE on the Yolo Bypass – Cache Slough Program by coordinating the 408 Master Plan work group and participating in the Operations and Maintenance work group, as well as the Permitting Strategy work group. Staff will provide updates to the CVFPB on the progress of the 408 Master Plan and overall Program, as needed.
- **Marysville Railroad Bridge Rehabilitation Project**
 - On July 31, 2019, under authorization No. WA2018049, the CVFPB's Executive Officer issued a Minor Alteration letter in accordance with Title 23, Division 1, Article 3, Section 6(e) allowing three geotechnical borings as part of relocating the finger levee east of State Route 70. The geotechnical borings are necessary to complete the design of the proposed project. An encroachment permit application for the proposed project is anticipated to be submitted early this fall.
- **Bear River Setback Levee**
 - On August 14, 2019, the USACE and CVFPB staff had a pre-application meeting for the proposed Bear River Setback Levee. The proposed levee will be approximately 2,800 linear feet and relieve erosion issues on the north side of Bear River in Reclamation District 817. The project is being funded through DWR's Flood System Repair Program. CVFPB staff are expecting a request for a letter of No Objection from the applicant this fall.
- **Lower Elkhorn Basin Levee Setback (LEBLS)**
 - The Section 408 permit application is being review by the USACE. A pre-95% design submittal is being submitted to DWR/DOE to review. A 95% design submittal will be submitted to the USACE for comment. It is anticipated to have 100% plans before the end of the year. The Prop 1E funding for this project is scheduled to expire in June 2020. Eight parcels are remaining to be purchased.
- **Lookout Slough**
 - The request to submit a No Objection Letter to the USACE was approved at the July 27, 2018 Board Meeting. On August 8, 2019, under authorization No. WA2018050, the CVFPB's Executive Officer issued a Minor Alteration letter in accordance with Title 23, Division 1, Article 3, Section 6(e) allowing 38 geotechnical borings that will inform slope flattening design on the east side of the Cache Slough Levee and identify potential borrow material for the new setback levee of the Yolo Bypass West Levee.

Operational Program: USACE / CVFPB Sponsored Studies and Projects

- **Marysville Ring Levee**
 - Phase 2A remains under construction. The fill placement is 15-30% complete along two segments of the project. For the remaining phases, DWR continues to

pursue Lands, Easements, Right of Way, Relocation, and Disposal Sites (LERRDs). Staff continues to coordinate with USACE and DWR on upcoming requisite work (i.e., utility relocations). Staff is currently working with DWR on an encroachment permit for the relocation of PG&E utility poles and pipelines for Phase 2B and 3.

- **American River Common Features 2016**

- Beach-Stone Lakes Mitigation Site - SAFCA was awarded a contract in August 2019 to create over 30 acres of wetland to serve as mitigation for American River Commons Feature 2016 and address mitigation needs for future levee projects. The land will be prepped this month and planting will begin in November 2019.
- Sacramento Bypass Weir Expansion - Staff continues to meet with DWR and SAFCA to discuss the design components of the Sacramento Weir expansion. Design Quality Control review of the 65% design plans is planned for the end of October 2019 and Agency Technical Review in December 2019. The Lower Elkhorn Basin Levee Setback Project is at 100% design with a planned March 2020 award date. A 95% plan set for the Yolo Bypass is available. Acquisition is anticipated by January 2020. The 408 permit is anticipated to be issued at the beginning of 2020. The CVFPB, SAFCA, and DWR coordination meetings are ongoing and rotate meeting locations monthly between SAFCA and DWR.
- Seepage / Stability – Sacramento River East Levee (SREL) - The contractor mobilized on Reach D (from the confluence of the American and Sacramento Rivers to Sutterville Road) at the end of September and is constructing a 450-foot seepage berm. The construction is anticipated to take 8 weeks. The other phases of the SREL Project are in the request for proposal phase with construction scheduled to begin at the end of 2020. Borings in the Pocket Area will begin on October 21. The first public meeting on the 2020 SREL construction projects occurred on September 12, 2019. Staff has ongoing coordination meetings with SAFCA on the status of the project. SAFCA sent incentive letters to assist in removal of encroachments prior to construction. Seven of the nine encroachments have been resolved. Tree cutting in the right-of-way will occur this fall.
- Erosion – The 65% plans for the American River erosion work from Paradise Beach to Howe Avenue have been submitted for USACE review. The construction contract is anticipated in September 2020. The erosion sites on the American River and SREL are being ranked in tiers to complete the highest priority sites first. Other phases of the project have been assigned to the St. Paul USACE districts. Construction of the waterside seepage blanket on the Sacramento River at Pioneer Reservoir has been delayed until 2021. All work will be coordinated with the seepage/stability work.

- **Levee Accreditation Project (LAP)**
 - Construction of the North Area Streams project located along Arcade Creek is complete. Restoration and utility work are on-going. Utility work will begin in April 2020. The project completion report is expected this fall. Notice of Completion will be approved by the SAFCA Board this November. Fifteen real estate properties are being pursued.
- **South Sacramento County Streams Construction Project**
 - Project close-out is scheduled by the end of 2019. The USACE is working on their Performance Letter. Remaining activities include: O&M Manual, environmental mitigation credits, real estate, and finance.
- **American River Common Features WRDA 96/99**
 - Project is in close-out phase and USACE is working on Performance Letter. Remaining activities include final O&M manual and permission to place dirt along the railroad embankment.
- **Natomas**
 - Improvements to the levees surrounding the Natomas Basin are ongoing. Construction of a cut-off wall in the levee along Garden Highway, including a full road closure, began in July 2019. The cut-off wall is anticipated to be completed to Natomas Park Drive by November 1, 2019. Construction of the seepage blanket under Highway I-5 on the American River has started. On the southern portion of east side of the Natomas Basin, the cutoff wall construction has stopped for the season, but slope flattening work continues. The construction work along the Natomas Cross Canal is anticipated to be complete by Thanksgiving. On the west side of the basin, along the Sacramento River, the construction contract is waiting to be awarded. Design work is continuing for multiple other reaches around the Natomas Basin. Alternative designs are being proposed for the I-5 window on the Sacramento River. The 95% design plans are scheduled for 2020 in the southwest corner of the basin. The review of the 35% design plans for the Pleasant Grove Creek Canal is complete.
- **Folsom Dam Modifications (Joint Federal Project)**
 - Modeling of the Bulkhead Gates is complete, and the draft report has finished partner review.
- **Folsom Dam Raise**
 - The submittal process for construction package for Dike 8 is underway. The USACE pre-construction engineering and design on spillway mechanical and piers is under the 35% design partner review. Monthly meetings are being held to discuss lands, easements, rights-of-way and utility relocation.

- **Sutter Butte Flood Control Agency (SBFCA) Sutter Basin Project**
 - The contractor has completed the Soil Bentonite and Deep Mixing cutoff walls and continues with necessary levee rebuild. . As previously reported, the contractor has encountered cultural resources impacts during ground disturbing activities and the SBFCA team is assisting USACE to resolve. Staff continues to participate in USACE project management team meetings.
- **Reclamation District 17**
 - The USACE letter for levee repair to construct new seepage berms with chimney drains was received on October 8, 2019 allowing the Board permit to be issued on October 11, 2019.
- **West Sacramento, CA Project**
 - The West Sacramento General Reevaluation Report was federally authorized by the Water Resources Development Act of 2016. Some funding for preliminary engineering and design activities was provided in the USACE 2018 Work Plan. The initial design efforts are focusing on two small areas along the Yolo Bypass along the west side of the basin. A consultant contract for engineering and design activities is anticipated in October.

Operational Program: Adequate Progress

No updates this month.

Operational Program: Safety Element Review

No updates this month.

Operational Program: Special Projects

- **Western Pacific Interceptor Canal Culvert Replacement Project**
 - Construction of the WPIC Culvert Replacement Project was completed on October 1, 2019. Mitigation planting activities will occur during the most optimal season, Spring 2020. CVFPB staff has coordinated closely with DWR Flood Maintenance Office staff and appreciates the hard work Sutter Maintenance Yard provided on this project.
- **Chester Diversion Dam**
 - Staff received a second round of comments from CalOES on the Emergency Action Plan (EAP) for the Chester Diversion Dam. Staff is working with DWR to respond to those comments and resubmit the EAP as soon as possible.